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**From:** Arnold, Rick [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=A545BF3329054C1B8F0F65D0F45797DE-ARNOLD, LAR]  
**Sent:** 8/20/2019 7:02:33 PM  
**To:** Bailey, Treasure [bailey.treasure@epa.gov]  
**CC:** Robinson, Valois [Robinson.Valois@epa.gov]  
**Subject:** Dewey Burdock geochemical modeling requirements  
**Attachments:** PART IV Geochemical Modeling Requirements\_20190820.docx

Hi Treasure,

Valois and I are putting together permit requirements for the Dewey Burdock ISR uranium mine in SD. One of the sections lays out requirements for geochemical modeling as part of wellfield closure. Given your training in PHREEQC and experience dealing with White Mesa redox issues, would you mind taking a look at the attached section concerning geochemical modeling and let me know if you have any comments. In particular, is it clear what is expected of the operator in terms of modeling and model calibration? Sorry for the short turn around, but if you have time, could we have your comments by this Friday?  
Thanks!

Rick Arnold  
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